

SCIENTIFIC NOTE: MOTH COMMUNITY FROM A NORTHCENTRAL FLORIDA LOCATION - A TAXONOMIC CHECKLIST

George T. Austin*

McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, University of Florida, Gainesville, FL

MOTHS RECORDED AT 2004 SE 41ST AVENUE, GAINESVILLE, ALACHUA COUNTY, FLORIDA (29°36.95'N 82°17.91'W) BETWEEN 2005 AND 2009

NEPTICULIDAE

76+ *Stigmella* sp.
96 *Stigmella* nr. *unifasciata*

OPOSTEGIDAE

121 *Pseudopostega albogaleriella*

TISCHERIIDAE

130+ *Tischeria* sp.
130+ *Tischeria* sp.
144 *Tischeria* nr. *quercitella*

PRODOXIDAE

198 *Tegeticula yuccasella*

ADELIDAE

227 *Adela caeruleella*

ACROLOPHIDAE

333 *Amydria dyarella*
[335 *Amydria margoriella*] [check]
340+ *Acrolophus* sp. #1
340+ *Acrolophus* sp. #2
340 *Acrolophus arcanella*
347 *Acrolophus cressoni*
353 *Acrolophus forbesi*
355.1 *Acrolophus heppneri*
367.1 *Acrolophus mycetophagus*
371 *Acrolophus piger*
372 *Acrolophus plumifrontella*
373 *Acrolophus popeanella*
374 *Acrolophus propinquus*
383 *Acrolophus texanella*

TENEIDAE

272 *Nemapogon rileyi*
279 *Diachorisia velatella*
305 *Mea bipunctella*
308 *Scardiella approximata*
315 *Diataga leptosceles*
317 *Xylesthia pruniramiella*
392 *Tinea apicimaculella*

PSYCHIDAE

434.1 *Kearfottia albifasciella*
442 *Cryptothelea gloverii* [two species?
other 441 *nigrita*]
454 *Oiketicus abbotii*

BUCCULATRICIDAE

484+ *Bucculatrix* sp. #1
484+ *Bucculatrix* sp. #2
484+ *Bucculatrix* sp. #3
513 *Bucculatrix staintonella*

GRACILLARIIDAE

592+ *Caloptilia* sp. #1
592+ *Caloptilia* sp. #2
592+ *Caloptilia* sp. #3
596 *Caloptilia* nr. *blandella*
620 *Caloptilia* nr. *packardella*
630 *Caloptilia rhoifoliella*
641 *Caloptilia superbifrontella*
644 *Caloptilia violacella*
663+ *Neurobathra* sp.
663 *Neurobathra strigifinitella*
700 *Lithocolletis* sp.?
854.1 *Phyllocnistis citrella*

OECOPHORIDAE

953 *Eupragia hospita*
957 *Psilocorsis reflexella*
1010.1 *Autosticha kyotensis*
1011 *Antaeotricha schlaegeri*
1014 *Antaeotricha leucillana*
1015 *Antaeotricha osseella*
1019 *Antaeotricha humilis*
1024 *Antaeotricha albulella*
1026 *Rectiosoma xanthobasis*
1934 *Inga sparsiciliella*
1042 *Decantha boreasella*

ELACHISTIDAE

1118+ *Elachista* sp.

GELECHIIDAE

1733+ *Aristotelia* sp.
1733.1 *Aristotelia corallina*
1743 *Aristotelia ivae*
1761 *Aristotelia roseosuffusella*
1762 *Aristotelia rubidella*
1771 *Evippe prunifoliella*
1786+ *Recurvaria* sp.
1800+ *Coleotechnites* sp.#1
1800+ *Coleotechnites* sp.#2
1800+ *Coleotechnites* sp.#3
1824 *Coleotechnites obliquistrigella*
1834+ *Sinoe* sp.
1840 *Exoteleia pinifoliella*
1851 *Arogalea cristifasciella*
1857 *Telphusa latifasciella*
1859 *Telphusa* sp. (nr. *sedulitella*)
2039 *Symmetrischema striatella*
2072+ *Chionodes* sp.?
2072 *Chionodes discoocellella*
2072.3 *Chionodes emptor*
2104 *Chionodes pereyra*
2187 *Aroga compositella*
2204 *Fascista cercerisella*

2209 *Stegasta bosqueella*
2211 *Polyhymno luteostrigella*
2216 *Ymeldia janae*
2223 *Untomia* nr. *albigstrigella*
2227+ *Battaristis* sp.
2229 *Battaristis vittella*
2233 *Anacampsis conclusella*
2234 *Anacampsis coverdalella*
2265 *Helcystogramma chambersella*
2281 *Dichomeris ligulella*
2284 *Dichomeris acuminata*
2284.1 *Dichomeris nenia*
2287 *Dichomeris ventrella*
2288 *Dichomeris punctipennella*
2302 *Dichomeris setosella*
2302.1 *Dichomeris vindex*
2202.4 *Dichomeris aglaia*
2310 *Dichomeris inversella*
2310.1 *Dichomeris kimballi*

BLASTOBASIDAE

1136+ *Glyphidocera* sp.
1138 *Glyphidocera floridanella*
1139 *Glyphidocera lactiflosella*
1144 *Gerdana caritella*
1150+ *Blastobasis* sp. #1
1150+ *Blastobasis* sp. #2
1150+ *Blastobasis* sp. #3
1150+ *Blastobasis* sp. #4
1162 *Blastobasis glandulella*
1148+ *Holococera* sp.
1178 *Holococera crassicornella*?
1169 *Calosima diamella*
[=1194 *Holococera lepidophaga*]
[3 other species]
1169.1 *Calosima lucidella*
1184+ *Hypatopa* sp.

COLEOPHORIDAE

1291+ *Coleophora* sp. #1
1291+ *Coleophora* sp. #2?
1291+ *Coleophora* sp. #3?
1291+ *Coleophora* sp. #4?
1405+ *Batrachedra* sp.?
1406 *Batrachedra busiris*

MOMPHIDAE

1429+ *Mompha* sp.
1443 *Mompha eloisella*

COSMOPTERIGIDAE

1467 *Euclementia bassettella*
1469 *Cosmopterix nitens*
1472 *Cosmopterix pulchrimella*

1474 *Cosmopterix attenuatella*
1479 *Cosmopterix dapifera*
1487 *Cosmopterix abdita*
1494 *Cosmopterix scirpicola*
1495 *Cosmopterix ebriola*
1503 *Melanoclinis lineigera*
1512 *Pyroderces rileyi*
1513 *Pyroderces badia*
1515 *Limnaecia phragmitella*
1589 *Siskiwitia falcata*
1623 *Perimede erransella*
1632 *Perimede falcata*

GLYPHIPTERIGIDAE

2345 *Diploschizia lanista*
2345.4 *Diploschizia habecki*
2346 *Diploschizia impigritella*

PLUTELLIDAE

2363 *Plutella porrectella*
2366 *Plutella xylostella*

ATTEVIDAE

2401 *Atteva pustulella*

YPONOMEUTIDAE

2431 *Zelleria retiniella*

LYONETHIDAE

462 *Philonome* sp.
477 *Leucoptera erythrinella*

PYRALIDAE

4716 *Scoparia biplagiata*?
4738 *Eudonia strigalis*
4741 *Undulambia polystichalis*
4743 *Neocataglysta magnificalis*
4748+ *Munroessa* sp.?
4748 *Munroessa icciusalis*
4750 *Munroessa nebulosalis*
4751 *Munroessa gyralis*
4753 *Nymphuliella daeckaealis*
4754 *Synclita tinealis*
4755 *Synclita oblitteralis*
4759 *Parapoynx maculalis*
4760 *Parapoynx obscuralis*
4764 *Parapoynx allionealis*
4765 *Parapoynx diminutalis*
4785 *Eopargyractis irrortalis*
4794 *Eustixia pupula*
4796 *Microtheoris ophionalis*
4869 *Glaphyria glaphyralis*
4870 *Glaphyria sesquialtralis*
4874 *Glaphyria cappsi*

*G. T. Austin passed away on June 30, 2009, before completing the survey. The survey was conducted throughout the year twice per week, using a 15 watt black light. The present list includes notes introduced by Austin (e.g., "?" where he was unsure about the identification of a given species, etc.). Scientific names are preceeded by MONA numbers from the 1983 Checklist of Lepidoptera of America North of Mexico, R. Hodges *et al.*, editors.

- 4885 *Lipocosma septa*
 4888 *Lipocosmodes fuliginosalis*
 4889 *Dicymolomia julianalis*
 4890 *Dicymolomia metalophota*
 4893 *Dicymolomia grisea*
 4896 *Chalcoela pegasalis*
 4940 *Oenobotrys vivotinctalis*
 4943 *Crociphora pustuliferalis*
 4945 *Crociphora tubercularis*
 4946 *Ostrinia penitalis* [plus *nubialis*
4949, obumbratalis 4947]
 4951 *Perispasta caeculalis*
 4962 *Hahncappsa marculenta*
 4977 *Neohelviotys neohelvalis*
 4979 *Neohelviotys polingi*
 4992 *Uresiphita reversalis*
 5034 *Pyrausta signatalis*
 5049 *Pyrausta phoenicealis*
 5069 *Pyrausta tyralis*
 5077 *Hyalorista taeniolalis*
 5079 *Udea rubigalis*
 5106 *Lineodes fontella*
 5107 *Lineodes integra*
 5117 *Loxostegopsis merrickalis*
 5122 *Eurhyarodes lydamis*
 5142 *Diacme elealis*
 5144 *Diacme phyllisalis*
 5149 *Niphograptia albiguttalis*
 5150 *Samea ecclesialis*
 5151 *Samea multiplicalis*
 5152 *Samea baccatalis*
 5156 *Nomophila nearctica*
 5158 *Ategumia ebulealis*
 5159 *Desmia funeralis*
 [5160 *Desmia maculalis*]
 5161 *Desmia subdivisalis*
 5169 *Hymenia perspectalis*
 5170 *Spoladea recurvalis*
 5171 *Diasemiopsis leodocusalis*
 5176 *Anageshna primordialis*
 5177 *Apogeshna stenialis*
 5182 *Blepharomastix ranalis*
 5198 *Glyphodes sibillalis*
 5200 *Colonychus talis*
 5204 *Diaphania hyalinata*
 5205 *Diaggania modialis*
 5223 *Palpita illibalis*
 5226 *Palpita magniferalis*
 5228 *Polygrammodes flavidalis*
 5241 *Pantographa limata*
 5243 *Pleuroptya silicalis*
 5268 *Psara obscuralis*
 5271 *Bicilia iarchasalis*
 5272 *Herpetogramma bipunctalis*
 5274 *Herpetogramma phaeopteralis*
 5279 *Herpetogramma theseusalis*
 5280 *Herpetogramma aeglealis*
 5281 *Pilocrocis ramentalis*
 5284 *Syngamia florella*
 5301 *Leptosteges flavicostella*
 5307 *Carectocultus perstrialis*
 5308 *Carectocultus repugnatalis* [synonym
 of above + *diminicki* Blanchard 1975, JLS
29:98-101]
 5313 *Donacaula sordidella*
 5314 *Donacaula unipunctella*
 5324 *Donacaula maximella*
 5355 *Crambus praefectellus*
 5367 *Crambus sanfordellus*
 5369 *Crambus quinquareatus*
 5381 *Crambus caliginosellus*
 5393 *Raphiptera argillaceella*
 5419 *Microcrambus biguttellus*
 5420 *Microcrambus elegans*
 5422 *Microcrambus minor*
 [5431 *Fissicrambus profanellus*]
 5433 *Fissicrambus haytiellus*
 5434 *Fissicrambus hemiochrellus*
 5435 *Fissicrambus mutabilis*
 5450 *Parapediasia decorella*
 5451 *Parapediasia teterella*
 5454 *Euchromius ocellus*
 5463 *Argyria lacteella*
 5464 *Urola nivalis*
 5465 *Vaxi auratella*
 5478 *Diatraea evanescens*
 5481 *Diatraea lisetta*
 5492 *Eoreuma densella*
 5499 *Xubida linearella*
 5510 *Pyralis farinalis*
 5518 *Aglossa cuprina*
 5526 *Pseudasopia intermedialis*
 5530 *Dolichomia binodulalis*
 5533 *Dolichomia olinalis*
 5531 *Ocrassa nostralis*
 5538 *Parachma ochracealis*
 5540 *Basacallis tarachodes*
 5550 *Lepidomys irrenosa*
 5552 *Galasa nigrinodis*
 5556 *Tosale oviplagalis*
 5563 *Clydonopteron sacculana*
 5566 *Arta statalis*
 [5570 *Xantippe uranides?*] [or sp.]
 5574 *Heliades mulleolella*
 5577 *Macalla superatalis*
 5579 *Macalla zelleri*
 5582 *Deuterollyta majuscula*
 [= *Jocara incrustalis*]
 5591 *Tallula atrifascialis*
 5595+ *Pococera* sp.
 5595 *Pococera robustella*
 5602 *Pococera subcanalis*
 5604 *Pococera militella*
 5605 *Pococera aplastella*
 5622 *Galleria mellonella*
 5627 *Omphalocera munroei*
 5651 *Acrobasis indigenella*
 5653 *Acrobasis vaccinii*
 5657 *Acrobasis minimella*
 5672 *Acrobasis exsulella*
 5704 *Anabasis ochrodesma*
 5734 *Atheloca subrufella*
 5744 *Etiella zinckenella*
 5771+ *Salebriaria* sp.?
 5774 *Salebriaria annulosella*
 5777.4 *Salebriaria carolynae*
 5802 *Nephopterix uvinella*
 5803 *Nephopterix celtidella*
 5818 *Actrix nyssaecolella*
 5841.1 *Dioryctria ebeli*
 5849 *Dioryctria pygmaeella*
 5853 *Dioryctria amatella*
 5863.1 *Dioryctria clarioralis*
 5895 *Ufa rubedinella*
 5896 *Elasmopalpus lignosellus*
 5913 *Macrorrhinia signifera*
 5914 *Ocala dryadella*
 5919 *Honora mellinella*
 5934 *Mescinia estrella*
 5944 *Homeosoma deceptorium*
 5946.1 *Phycitodes reliquellus*
 5949 *Laetilia coccidivora*
 5965.1 *Baphala pallida*
 5970 *Melitara prodenialis*
 5995 *Euzophora semifuneralis*
 5999 *Eulogia ochrifrontella*
 6001 *Ephesiodes infimella*
 6004.2 *Moodnodes plorella*
 6005 *Moodna ostrinella*
 6019 *Plodia interpunctella*
 6028 *Tampa dimediatella*
 6029 *Varneria postremella*
 6030 *Varneria atrifasciella*
 6031 *Eurhythmia hospitella*
 6043 *Peoria bipartitella*
 6067 *Atascosa glareosella*
 6068 *Homosassa ella*
PTEROPHORIDAE
 6090.1 *Sphenarches anisodactyla*
 6098 *Buckleria parvulus*
 6119 *Lantanophaga pusillidactyla*
 6119.1 *Stenoptilodes tephrobanes*
 6120 *Lioptilodes parvus*
 6122 *Stenoptilodes brevipennis*
 6142.1 *Exelastis montischristi*
 6154 *Pselnophorus belfragei*
 6155 *Adiana simplicia*
 6160 *Adiana ambrosiae*
 6207 *Leioptilus palaceus*
 6226 *Leioptilus unicolor*
URODIDAE
 2415 *Urodus parvula*
CHOREUTIDAE
 2627 *Brenthia pavonacella*
 2649 *Tebenna carduiella*
ZYGAENIDAE
 4618.1 *Neoprocris floridana*
 4624 *Harrisina americana*
 [4628 *Acoloitus novaricus*]
 perhaps *falsarius*]
LACTURIDAE
 2405 *Lactura pupula*
MEGALOPYGIDAE
 4643 *Lagoa lacyi*
 4647 *Megalopyge opercularis*
 4650 *Norape ovina*
COSSIDAE
 2668 *Givira anna*
 2674 *Cossula magnifica*
EPIPYROPIDAE
 4701 *Fulgoraecia exigua*
LIMACODIDAE
 4657 *Heterogenea shurtleffi*
 4665 *Lithacodes fasciola*
 4668 *Apoda rectilinea*
 4671 *Prolimacodes badius*
 4675 *Isochaetes beutenmuelleri*
 4677 *Phobetreron pithecium*
 4679 *Natada nasoni*
 4681 *Isa textula*
 4685 *Adoneta spinuloides*
 4697 *Euclea delphinii*
 4700 *Achardia stimulea*
TORTRICIDAE
 2707 *Bactra verutana*
 2711 *Endopiza lirioidendrana*
 2718 *Endopiza spiraeifoliana*
 2738 *Endothenia hebesana*
 2701 *Episimus argutatus*
 2703 *Episimus tyrius*
 2704 *Cacocharis cymotoma*
 2749 *Eumaroza malachitana*
 2750 *Zomaria interruptolineana*
 2770 *Orthotaenia undulana*
 2785 *Oleuthreutes atrodentana*
 2807 *Oleuthreutes brunneopurpuratus*
 2817 *Oleuthreutes permundana*
 2822 *Oleuthreutes nr. concinnans*
 2823 *Oleuthreutes fasciatana*
 2868 *Rhyacionia rigidana*
 2879.1 *Rhyacionia granti*
 [2880 *Rhyacionia blanchardi*] [check – 2869 subtropica, 2885 aktita]
 2882 *Rhyacionia frustrana*
 2898 *Retinia gemistrigulana*
 2907 *Strepsicrates smithiana*
 3005.1 *Phaneta argutipunctana*
 3009 *Eucosma robinsonana*
 3172+ *Epiblema* sp.?
 3172 *Epiblema strenuana*
 3174 *Epiblema numerosana*
 3186 *Epiblema scudderiana*
 3202 *Epiblema otiosana*
 3218 *Sonia constrictana*
 3218.1 *Sonia parapslesiana*
 3228 *Gypsonoma salicicolana*
 3246 *Pseudexentera cressoniana*
 3251 *Pseudexentera spoliana*
 [3252 *Pseudexentera haracana?*]
 3263 *Gretchena bolliana*
 3271 *Chimoptesis matheri*
 3273 *Chimoptesis pennsylvaniana*
 3274 *Crociosema plebejana*
 3277 *Rhopobota dietziana*
 3278 *Rhopobota finitimana*
 3374 *Ancylis comptana*
 3375 *Ancylis divisana*
 3379 *Ancylis diminutana*
 3422.1 *Pammene medioalbana?*
 3423 *Larisa subsolana*
 3425 *Sereda tautana*
 3428 *Grapholita packardii*
 3446.2 *Corticivora parva*
 3450 *Cydia near rana*
 3471 *Cydia caryana*
 3486 *Cydia toreuta*
 3487 *Cydia ingens*
 3494 *Cydia latiferreana*
 3495 *Cydia punctidiscana*
 3500 *Pseudogalleria inimicella*
 3503 *Croesia semipurpurana*
 3504 *Croesia curvalana*
 3600 *Argyrotaenia kimballi*
 3603 *Argyrotaenia tabulana*
 3623 *Argyrotaenia quercifoliana*
 3627 *Argyrotaenia ivana*
 3631 *Choristoneura obsoletana*
 3632 *Choristoneura fractivittana*
 3633 *Choristoneura parallela*
 3635 *Choristoneura rosaceana*
 3637 *Choristoneura conflictana*
 3643 *Choristoneura pinus*
 3648 *Archips argyrospila*
 3653 *Archips semiferana*
 3659 *Archips infumata*
 3660 *Archips grisea*
 3688 *Pytholoma peritana*
 3694 *Niasoma metallicana*

3695 *Sparganothis sulfureana*
 3696 *Sparganothis belfrageana*
 3704 *Sparganothis distincta*
 3720 *Sparganothis reticulata*
 3731 *Sparganothis lentiginosana*
 3732 *Platynota flavedana*
 3740 *Platynota idaeusalis*
[check – two phenotypes]
 3741 *Platynota semiustana*
 3745 *Platynota rostrana*
 3747 *Coelostathma discopunctana*
 3850 *Aethes seriatana*
 3754+ *Aethes* sp.
 3768.1 *Cochylis caulocatax*
 3768.2 *Cochylis ringsi*
 3769 *Thyralia bunteana*
 3781 *Lorita scarificata*
 3782 *Carolella sartana*
 3784 *Carolella erigeronana*
 3835 *Rudenian leguminana*

GEOMETRIDAE

6272 *Eumacaria latiferrugata*
 6326 *Macaria aemulataria*
 6331 *Macaria promiscuata*
 6335 *Macaria aequiferaria*
 6336 *Macaria distributaria*
 6341 *Macaria bicolorata*
 6362 *Macaria continuata*
 6405 *Macaria gnophosaria*
 6419 *Enconista dislocaria*
 6443 *Glenoides texanaria*
 6452 *Glena plumosaria*
 6486 *Tornos scolopacinarius*
 6580 *Anacamptodes pergracilis*
 6582 *Anacamptodes vellivolata*
 6586 *Anacamptodes defectaria*
 6590 *Anavitrinella pampinaria*
 6590 *Cleora sublunaria*
 6597 *Ectropis crepuscularia*
 6598 *Protoboarmia porcelaria*
 6616 *Melanchroia chephise*
 6620 *Melanolophia canadaria*
 6621 *Melanolophia signataria*
 6652 *Lycia ypsilon*
 6654 *Hypagyrtis unipunctata*
 6655 *Hypagyrtis esther*
 6658 *Phigalia titea*
 6659 *Phigalia denticulata*
 6660 *Phigalia strigataria*
 6705 *Erastria cruentaria*
 6711 *Thysanopyga intractata*
 6726 *Euchlaena obtusaria*
 6733 *Euchlaena amoenaria*
 6735 *Euchlaena deductaria*
 6742 *Xanthotype rufaria*
 6743 *Xanthotype sospeta*
 6745 *Cymatophora approximaria*
 6754 *Pero anctaria*
 6763 *Nacophora quernaria*
 6798 *Ennomos subsignaria*
 6828 *Metarranthia homuraria*
 6885 *Besma quercivoraria*
 6892 *Lambdina pellucidaria*
 6908 *Nepytia semiclusaria*
 6941 *Eusarca confusaria*
 6966 *Eutrapela clemataria*
 6974 *Patalene olyzonaria*
 6982 *Prochoerodes transversata*
 6986 *Nepheloleuca floridata*
 7009 *Nematocampa resistaria*
 7031 *Nemoria catachloa*

7033 *Nemoria lixaria*
 7034 *Nemoria saturiba*
 7045 *Nemoria biflata*
 7051 *Phrudocentra centrifugaria*
 7053 *Dichorda iridaria*
 7059 *Synchlora frondaria*
 7060.1 *Synchlora xysteraria*
 7071 *Chlorochlamys chloroleucaria*
 7075 *Chloropteryx tepperaria*
 7094 *Lobocleta ossularia*
 7105 *Idaea scintillularia*
 7114 *Idaea demissaria*
 7120 *Idaea violacearia*
 7122 *Idaea taturata*
 7123 *Idaea obfusaria*
 7132 *Pleuroprucha insulsaria*
 7136 *Cyclophora packardi*
 7137 *Cyclophora myrtaria*
 7149 *Scopula lautaria*
 7151 *Scopula aemulata*
 7152 *Scopula compensata*
 7159 *Scopula limboundata*
 7160 *Scopula timandaria*
 7173 *Leptostales pannaria*
 7174 *Leptostales crossii*
 7181 *Lophosis labeculata*
 7196 *Eulithis diversilineata*
 7197 *Eulithis gracilineata*
 7239 *Hydriomena pluvata*
 7414 *Orthonama obstipata*
 7416 *Costacconvexa centrostrigaria*
 7417 *Disclisioprocta stellata*
 7474 *Eupithecia miserulata*
 7486 *Eupithecia jejuna*
 7635 *Acasis viridata*
 7648 *Dyspteris abortivaria*

DREPANIDAE

6255 *Oreta rosea*

APATELODIDAE

7666 *Olceclostera indistincta*

MIMALLONIDAE

7659 *Lacosoma chiridota*

LASIOCAMPIDAE

7674 *Tolype notialis*
 7683 *Artace cribreria*
 7686 *Phyllodesma occidentis*
 7698 *Malacosoma disstria*
 7701 *Malacosoma americanum*

SATURNIIDAE

7704 *Eacles imperialis*
 7706 *Citheronia regalis*
 7708 *Citheronia sepulchralis*
 7723.1 *Anisota pellucida*
 7746 *Automeris io*
 7757 *Antheraea polyphemus*
 7758 *Actias luna*

SPHINGIDAE

7771 *Agrius cingulatus*
 7775 *Manduca sexta*
 7778 *Manduca rustica*
 7784 *Dolba hyloeus*
 7787 *Ceratomia undulosa*
 7816 *Lapara coniferarum*
 7825 *Paonias myops*
 7827 *Laotloe juglandis*
 7837 *Erinnyis obscura*

7851 *Enyo lugubris*
 7853 *Hemaris thysbe*
 7865 *Eumorpha fasciata*
 7866 *Eumorpha labruscae*
 7871 *Deidamia inscripta*
 7873 *Amphion floridensis*
 7884 *Darapsa myron*
 7890 *Xylophanes tersa*
 7894 *Hyles lineata*

NOTODONTIDAE

7903 *Datana angusii*
 7905 *Datana major*
 7907 *Datana integerrima*
 7915 *Nadana gibbosa*
 7920 *Peridea angulosa*
 7929 *Nerice bidentata*
 7951 *Symmerista albifrons*
 7975 *Macrurocampa marthesia*
 7977 *Heterocampa astarte*
 7983 *Heterocampa obliqua*
 7985 *Heterocampa subrotata*
 7990 *Heterocampa umbrata*
 7994 *Heterocampa guttivitta*
 7998 *Lochmaeus manteo*
 7999 *Lochmaeus bilineata*
 8005 *Schizura ipomoeae*
 8007 *Schizura unicornis*
 8011 *Schizura leptinoides*
 8012 *Oligocentria semirufescens*

LYMANTRIIDAE

8292 *Dasychira tephra*
 8298 *Dasychira meridionalis*
 8307 *Dasychira manto*
 8314 *Orgyia definita*
 8316 *Orgyia leucostigma*

ARCTIIDAE

8044 *Crambidia lithosioides*
 8045 *Crambidia pallida*
 8067 *Cisthene plumbea*
 8068 *Cisthene striata*
 8071 *Cisthene subjecta*
 8072 *Cisthene packardii*
 [8089 *Hypoprepia miniata*]
 8090 *Hypoprepia fucosa*
 8098 *Clemensia albata*
 8106 *Utiethesia bella*
 8121 *Holomelina aurantiaca*
 8122 *Holomelina rubicundaria*
 8129 *Pyrrharctia isabella*
 8131 *Estigmene acrea*
 8134 *Spilosoma congra*
 8136 *Spilosoma dubia*
 8137 *Spilosoma virginica*
 8140 *Hyphantria cunea*
 8141 *Euerythra phasma*
 8146 *Hypercompe scribonia*
 8170 *Apantesis vittata* **[others?]**
 8203 *Halysidota tessellaris* **[check – harrisii]**
 8217 *Leucanopsis longa*
 8243.1 *Pagara simplex*
 8255 *Pygaretia abdominalis*
 8267 *Cisseps fulvicollis*
 8280 *Cosmosoma myrodora*
 8284 *Syntomeida epilais*
 8326 *Idia rotundalis*
 8329 *Idia diminuendis*
 8334 *Idia lubricalis*
 8340 *Zanclognatha lituralis*
 8341 *Zanclognatha theralis*
 8343 *Zanclognatha minoralis*
 8346 *Zanclognatha atrilineella*
 8347 *Zanclognatha obscuripennis*
 8361 *Macrochilo louisiana*
 8361.1 *Macrochilo hypocritalis*
 8364 *Phalaenostola larentioides*
 8366 *Tetanolita mynesalis*
 8368 *Tetanolita floridana*
 8370 *Bleptina caradrinalis*
 8371 *Bleptina inferior*
 8375 *Bleptina hydrillalis*
 8375.3 *Physula albipunctilla*
 8376 *Hyperula cacuminalis*
 8378 *Renia salusalis*
 8381 *Renia discoloralis*
 8384.1 *Renia flavipunctalis*
 8385 *Renia fraternalis*
 8386 *Renia adspersigillus*
 8390 *Aristaria therualis*
 8393 *Lascoria ambigualis*
 8396 *Lascoria orneodalis*
 8398 *Palthis asopialis*
 8401 *Redectis vitrea*
 8404 *Rivula propinquialis*
 8404.1 *Rivula pusilla*
 8411 *Colobochyla interpuncta*
 8431 *Schrunkia macula*
 8437 *Abablemma brimleyana*
 8440 *Nigetia formosalis*
 8442 *Bomolocha baltimoralis*
 8443 *Bomolocha bijugalis*
 8444 *Bomolocha palparia*
 8446 *Bomolocha deceptalis*
 8457 *Ophiuche minualis*
 8459 *Ophiuche degesalis*
 8465 *Plathypena scabra*
 8467 *Hemeroplanis scopulepes*
 [8471 *Hemeroplanis habitalis*]
 8488 *Hormoschista latipalpis*
 8490 *Pangrapta decoralis*
 8491 *Ledaea perditalis*
 8493 *Isogona tenuis*
 8500 *Metalectra quadrisignata*
 8502 *Metalectra tantillus*
 8510 *Arugisa watsoni*
 8514 *Scolecocampa liburna*
 8525 *Phyprosopus callitrichoides*
 8527 *Hypsoropha monilis*
 8528 *Hypsoropha hormos*
 8534 *Plusiodonta compressipalpis*
 8545 *Anomis erosa*
 8546 *Anomis flava*
 8556 *Litoprosopus futilis*
 8573 *Metallata absumens*
 8574 *Anticarsia gemmatilis*
 8579 *Antiblemma concinnula*
 8585 *Epidromia fergusonii*
 8587 *Panopoda rufimargo*
 8588 *Panopoda carneicosta*
 8589 *Panopoda repanda*
 8592 *Cissusa spadix*
 8651 *Lesmone detrahens*
 8658 *Selenisa sueroides*
 8666 *Metria amella*
 8689 *Zale lunata*
 8692 *Zale galbanata*
 8702 *Zale submediana*

8721 *Allotria elonympha*
 8725 *Dysgonia similis*
 8727 *Parallelia bistriaris*
 8728 *Cutina albopunctella*
 8729.2 *Cutina arcuata*
 8743 *Mocis latipes*
 8744 *Mocis marcida*
 8746 *Mocis disseverans*
 8747 *Celiptera frustulum*
 8749 *Ptichodis vinculum*
 8750 *Ptichodis herbarum*
 8764 *Argyrostromis anilis*
 8774 *Catocala muliercula*
 8801 *Catocala ilia*
 8857 *Catocala ultronia*
 8863 *Catocala mira*
 8869 *Catocala alabamiae*
 8873 *Catocala similis*
 8876 *Catocala micronympha*
 8878.1 *Catocala lineella*
 8879 *Catocala jair*
 8884 *Mouralia tinctorides*
 8885 *Argyrogramma verruca*
 8886 *Enigmogramma basigera*
 8887 *Trichoplusia ni*
 8889 *Ctenoplusia oxygramma*
 8890 *Pseudoplusia includens*
 8895 *Rachiplusia ou*
 8907 *Megalographa biloba*
 8955 *Marathyssa inficita*
 8956 *Marathyssa basalis*
 8962 *Paectes abrostoloides*
 8965 *Paectes nubifera*
 8970 *Baileya ophthalmica*
 8973.1 *Afrida ydatodes*
 8983 *Rhynchopalpus minuscula*
 8983.1 *Rhynchopalpus phylla*
 8989+ *Nola* sp.
 8991 *Nola cereella*
 8995 *Nola ovilla*
 9003 *Tripudia quadrifera*
 9025 *Oruza albocostaliata*
 9033 *Ozarba nebula*
 9044 *Thioptera nigrofimbria*
 9056 *Homophoberia cristata*
 9057 *Homophoberia apicosa*
 9062 *Cerma cerintha*
 9067 *Diastema tigris*
 9070 *Amyna octo*
 9080 *Proroblemma testa*
 9090 *Tarachidia candefacta*
 9124 *Spragueia perstructana*
 9126 *Spragueia onagri*
 9131 *Spragueia apicalis*
 9168 *Basisara repanda*
 9182 *Panthea furcilla*
 9189 *Charadra deridens*
 9199 *Acronicta rubricoma*
 9200 *Acronicta americana*
 9208 *Acronicta betulae*
 9211 *Acronicta tritona*
 9225 *Acronicta vinnula*
 9227 *Acronicta laetifica*
 9235 *Acronicta spinigera*
 9237 *Acronicta interrupta*
 9240 *Acronicta pruni*
 9246 *Acronicta clarescens*
 9254 *Acronicta afflicta*
 9255 *Acronicta brumosa*
 9257 *Acronicta impleta*
 9264 *Acronicta longa*
 9272 *Acronicta obliuina*

9280 *Simyra henrici*
 9281 *Agriopodes fallax*
 9285 *Polygrammate hebraeicum*
 9286.1 *Cryphia cyanympha*
 9299 *Eudryas unio*
 9301 *Eudryas grata*
 [9328 *Apamea nigror*] [= 9332
vulgaris, 9341 velutosa, 9367
dubitan??
 9429 *Lemmeria digitalis*
 9520 *Achatodes zeae*
 9523 *Bellura gortynoides*
 9525 *Bellura obliqua*
 9526 *Bellura densa*
 9618 *Phosphila turbulenta*
 9619 *Phosphila miselioides*
 9630 *Callopietria floridensis*
 9632 *Callopietria granitosa*
 9633 *Callopietria cordata*
 9636 *Acherdoa ferraria*
 9638 *Amphipyra pyramidoides*
 9669 *Spodoptera ornithogalli*
 9670 *Spodoptera latifascia*
 9671 *Spodoptera dolichos*
 9672 *Spodoptera eridania*
 9675 *Elaphria fuscimacula*
 9676 *Elaphria nucicolora*
 9678 *Elaphria versicolor*
 9679 *Elaphria chalconia*
 9681 *Elaphria festivoidea*
 9682 *Elaphria exesa*
 9687 *Gonodes liquida*
 9688 *Galgula partita*
 9689 *Perigea xanthioides*
 9690 *Condica videns*
 9693 *Condica mobilis*
 9696 *Condica vecors*
 9699 *Condica sutor*
 9720 *Ogdoconta cinereola*
 9725 *Stiriodes obtusa*
 9819 *Amolita obliqua*
 9942 *Xystocheilus rufago*
 9945 *Metaxaglaea semitaria*
 10014 *Psaphida rolandi*
 10019 *Psaphida resumens*
 10021 *Copivaleria grotei*
 10411 *Lacinipolia laudabilis*
 10438 *Pseudaleia unipuncta*
 10440 *Leucania linita*
 10454.1 *Leucania subpunctata*
 10455 *Leucania scirpicola*
 10456 *Leucania adjuta*
 10491 *Orthosia alurina*
 10517 *Egira alternans*
 10519 *Morrisonia mucens*
 10563 *Protorthodes oviduca*
 10585 *Orthodes crenulata*
 10663 *Agrotis ipsilon*
 10664 *Agrotis subterranea*
 10911 *Anicla infecta*
 11068 *Helicoverpa zea*
 11070 *Heliothis subflexa*
 11071 *Heliothis virescens*
 11115 *Schinia siren*
 11118 *Schinia obscurata*
 11128 *Schinia arcigera*
 11135 *Schinia rivulosa*
 11149 *Schinia trifascia*

Addendum

George T. Austin initiated the present survey, out of his love for creating and maintaining Lepidoptera collections (a trait that he carried with him wherever he went). George only lived in Gainesville, Florida since 2004, yet the present short but systematic survey created one of the most comprehensive collections of Florida moths (now located at the McGuire Center for Lepidoptera and Biodiversity). This study also led to several other studies that are still in progress. One of them, on phenology of moths in northcentral Florida, on which I serve as a co-investigator, has been presented by Austin and me at the 2006 meeting of the Lepidopterists' Society of America, and the publication of the results, including additional data, is in preparation. The other study, which greatly benefited from the present survey, is one on the moth diversity of Paynes Prairie State Park near where George lived and conducted the present survey. The Paynes Prairie study is continued by staff and students of the McGuire Center and eventually will be published. Finally, the list serves as a reference for several other ongoing ecological and collection-based studies. With the publication of the present list, it becomes possible to give formal credit to George Austin, who never ceased to amaze with his productivity.

Andrei Sourakov
McGuire Center for Lepidoptera
and Biodiversity

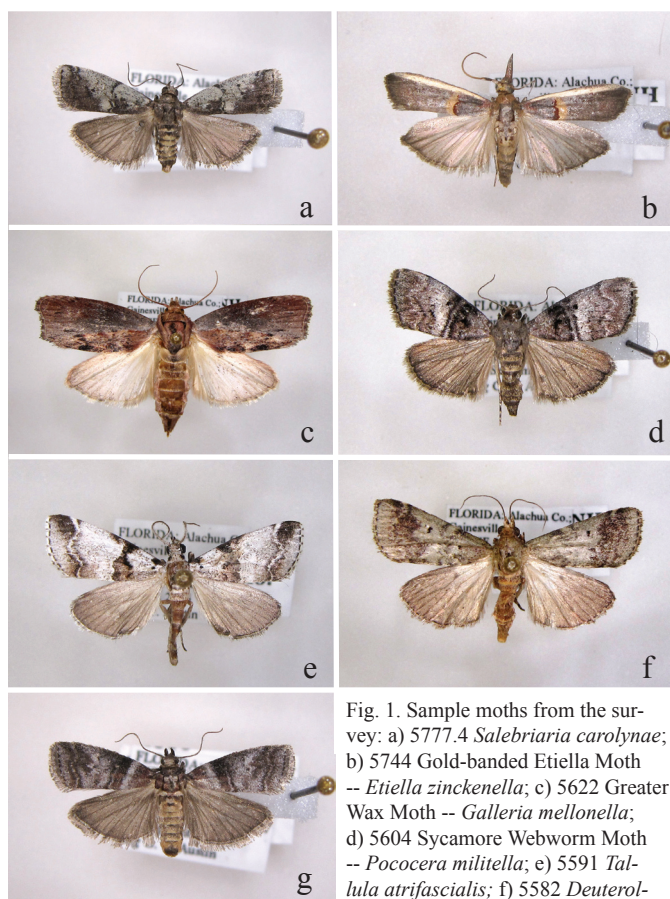


Fig. 1. Sample moths from the survey: a) 5777.4 *Salebriaria carolynae*; b) 5744 Gold-banded Etiella Moth -- *Etiella zinckenella*; c) 5622 Greater Wax Moth -- *Galleria mellonella*; d) 5604 Sycamore Webworm Moth -- *Pococera militella*; e) 5591 *Tallula atrifascialis*; f) 5582 *Deuterolyta majuscula*; g) 5802 Sweetgum Leafroller Moth -- *Sciota uvinella*; (photos by A. Sourakov)